TEST RESULTS OF GRADATION FOR GSB
(IS 2386:(Part 1) 1963 (RA2011)

Lab ID	:	**CP-RW-2017-12-19-01** **Date: 21-12-17**
Customer	:	Assistant Executive Engineer, Project Sub division, BBMP, Bangalore.
Address	:	Project Sub division, BBMP, Bangalore.
Project Name	:	Providing cement concrete roads to Yelahanka Janatha layout at Ward no.01
Agency	:	Sri. K.Achuta Murthy, No.07, 1st C Main road, Geleyara balaga, Mahalakshmipura, Bangalore-560086.
Customer Reference	:	EE(Project)/YnkZone/WO/82/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	19-12-17
Sample ID No	:	2017-12-19-01/08
Type of Mix	:	GSB (Granular Sub Base)
Date of test	:	19-12-17
Oven Dry Weight	:	10,000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec. Limit Vide Table 400.1 MORTH Specification
75	0	0	0.0	100.0	100
53	967	967	9.7	90.3	80-100
26.5	1645	2612	26.1	73.9	55-90
9.5	1363	3975	39.8	60.3	35-65
4.75	1509	5484	54.8	45.2	25-55
2.36	1788	7272	72.7	27.3	20-40
0.425	1705	8977	89.8	10.2	10-25
0.075	796	9773	97.7	2.3	0-5

TESTS ON FILLER SCREEN MATERIALS

Sl no	Particulars	Test results	Spec.Limit Vide Table 400.2 MORTH Specification
1	Liquid Limit, %	21.53%	Maximum 25
2	Plasticity index, %	Non plastic	Maximum 6

Note:-

The results pertain to the samples received and tested.
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TEST REPORT OF PRECAST COVER SLAB

Lab ID	:	**CP-2017-12-19-01**	**Date: 24-12-17**
Customer	:	Assistant Executive Engineer, Project Sub division, BBMP, Bangalore.	
Address	:	Project Sub division, BBMP, Bangalore.	
Project Name	:	Providing cement concrete roads to Yelahanka Janatha layout at Ward no.01	
Agency	:	Sri. K.Achuta Murthy, No.07, 1st C Main road, Geleyara balaga, Mahalakshmipura, Bangalore-560086.	
Customer's Reference	:	EE(Project)/YnkZone/WO/82/2017-18	
Source of Sample	:	Sample supplied by Agency	
Sample Condition	:	Satisfactory	
Date of Receipt	:	19-12-17	
Sample ID No	:	2017-12-19-01/04	
Sample Type /Size	:	Precast Cover Slab	
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete	
Date of test	:	20/12/2017	

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	75.27	100.28	1.127	4449	75.7	17.0	15.8	19.8
2	Cover Slab-2	75.32	100.42	1.154	4455	76.8	17.2	16.0	20.0
3	Cover Slab-3	75.38	100.74	1.161	4462	77.8	17.4	16.2	20.3

Note:

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-01-02-03** **Date: 08/01/2018**

Customer : Assistant Executive Engineer, Project Sub division, BBMP, Bangalore.

Address : Project Sub division, BBMP, Bangalore.

Project Name : Providing cement concrete roads to Yelahanka Janatha layout at Ward no.01

Agency : Sri. K.Achuta Murthy, No.07, 1st C Main road, Geleyara balaga, Mahalakshmipura, Bangalore-560086.

Customer's Reference : EE(Project)/YnkZone/WO/82/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 02-01-18

Sample ID No : 2018-01-02-03/11

Customer ID : M20 Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 08/01/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete	M20	01/01/2018	08/01/2018	150.20 X 150.32 X 150.14	22578	8.276	388.3	17.2	17.5
2	M20 Concrete	M20	01/01/2018	08/01/2018	150.53 X 150.33 X 150.21	22629	8.288	373.4	16.5	
3	M20 Concrete	M20	01/01/2018	08/01/2018	150.11 X 150.53 X 150.22	22596	8.198	427.1	18.9	

Note:

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 08/01/2018

Lab ID	:	**CP-2018-01-02-03**
Customer	:	Assistant Executive Engineer, Project Sub division, BBMP, Bangalore.
Address	:	Project Sub division, BBMP, Bangalore.
Project Name	:	Providing cement concrete roads to Yelahanka Janatha layout at Ward no.01
Agency	:	Sri. K.Achuta Murthy, No.07, 1st C Main road, Geleyara balaga, Mahalakshmipura, Bangalore-560086.
Customer's Reference	:	EE(Project)/YnkZone/WO/82/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	02-01-18
Sample ID No	:	2018-01-02-03/12
Customer ID	:	M20 Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	08/01/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete	M20	01/01/2018	08/01/2018	150.19 X 150.17 X 150.15	22554	8.344	503.0	22.3	21.7
2	M20 Concrete	M20	01/01/2018	08/01/2018	150.23 X 150.16 X 150.21	22559	8.395	491.8	21.8	
3	M20 Concrete	M20	01/01/2018	08/01/2018	150.33 X 150.28 X 150.35	22592	8.437	472.2	20.9	

Note:

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-01-02-03** **Date: 29/01/2018**

Customer : Assistant Executive Engineer, Project Sub division, BBMP, Bangalore.

Address : Project Sub division, BBMP, Bangalore.

Project Name : Providing cement concrete roads to Yelahanka Janatha layout at Ward no.01

Agency : Sri. K.Achuta Murthy, No.07, 1st C Main road, Geleyara balaga, Mahalakshmipura, Bangalore-560086.

Customer's Reference : EE(Project)/YnkZone/WO/82/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 02-01-18

Sample ID No : 2018-01-02-03/10

Customer ID : M20 Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 29/01/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete	M20	01/01/2018	29/01/2018	150.20 X 150.32 X 150.14	22578	8.276	485.4	21.5	22.1
2	M20 Concrete	M20	01/01/2018	29/01/2018	150.53 X 150.33 X 150.21	22629	8.288	522.7	23.1	
3	M20 Concrete	M20	01/01/2018	29/01/2018	150.11 X 150.53 X 150.22	22596	8.198	492.6	21.8	

Note:

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-01-02-03** **Date: 06/01/2018**

Customer : Assistant Executive Engineer, Project Sub division, BBMP, Bangalore.

Address : Project Sub division, BBMP, Bangalore.

Project Name : Providing cement concrete roads to Yelahanka Janatha layout at Ward no.01

Agency : Sri. K.Achuta Murthy, No.07, 1st C Main road, Geleyara balaga, Mahalakshmipura, Bangalore-560086.

Customer's Reference : EE(Project)/YnkZone/WO/82/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 02-01-18

Sample ID No : 2018-01-02-03/07

Customer ID : M20 Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 06/01/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete	M20	30/12/2017	06/01/2018	149.38 X 150.74 X 151.22	22518	8.254	385.0	17.1	17.2
2	M20 Concrete	M20	30/12/2017	06/01/2018	150.37 X 151.22 X 150.63	22739	8.062	386.6	17.0	
3	M20 Concrete	M20	30/12/2017	06/01/2018	149.68 X 151.26 X 152.62	22641	8.271	393.9	17.4	

Note:

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-01-02-03** **Date: 27/01/2018**

Customer : Assistant Executive Engineer, Project Sub division, BBMP, Bangalore.

Address : Project Sub division, BBMP, Bangalore.

Project Name : Providing cement concrete roads to Yelahanka Janatha layout at Ward no.01

Agency : Sri. K.Achuta Murthy, No.07, 1st C Main road, Geleyara balaga, Mahalakshmipura, Bangalore-560086.

Customer's Reference : EE(Project)/YnkZone/WO/82/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 02-01-18

Sample ID No : 2018-01-02-03/08

Customer ID : M20 Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 27/01/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete	M20	30/12/2017	27/01/2018	151.24 X 150.61 X 149.86	22778	8.031	508.0	22.3	21.9
2	M20 Concrete	M20	30/12/2017	27/01/2018	149.69 X 150.44 X 151.28	22519	8.226	479.7	21.3	
3	M20 Concrete	M20	30/12/2017	27/01/2018	150.72 X 148.99 X 149.58	22456	8.161	498.5	22.2	

Note:

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-01-02-03** **Date: 06/01/2018**

Customer : Assistant Executive Engineer, Project Sub division, BBMP, Bangalore.

Address : Project Sub division, BBMP, Bangalore.

Project Name : Providing cement concrete roads to Yelahanka Janatha layout at Ward no.01

Agency : Sri. K.Achuta Murthy, No.07, 1st C Main road, Geleyara balaga, Mahalakshmipura, Bangalore-560086.

Customer's Reference : EE(Project)/YnkZone/WO/82/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 02-01-18

Sample ID No : 2018-01-02-03/05

Customer ID : M20 Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 06/01/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete	M20	30/12/2017	06/01/2018	149.26 X 150.38 X 151.74	22446	8.254	379.3	16.9	17.0
2	M20 Concrete	M20	30/12/2017	06/01/2018	150.63 X 149.98 X 150.67	22591	8.165	379.5	16.8	
3	M20 Concrete	M20	30/12/2017	06/01/2018	151.00 X 150.47 X 151.38	22721	8.239	390.8	17.2	

Note:

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-01-02-03** **Date: 27/01/2018**

Customer : Assistant Executive Engineer, Project Sub division, BBMP, Bangalore.

Address : Project Sub division, BBMP, Bangalore.

Project Name : Providing cement concrete roads to Yelahanka Janatha layout at Ward no.01

Agency : Sri. K.Achuta Murthy, No.07, 1st C Main road, Geleyara balaga, Mahalakshmipura, Bangalore-560086.

Customer's Reference : EE(Project)/YnkZone/WO/82/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 02-01-18

Sample ID No : 2018-01-02-03/06

Customer ID : M20 Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 27/01/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete	M20	30/12/2017	27/01/2018	150.65 X 151.38 X 152.84	22805	8.291	481.2	21.1	21.7
2	M20 Concrete	M20	30/12/2017	27/01/2018	151.26 X 150.35 X 149.79	22742	8.036	511.7	22.5	
3	M20 Concrete	M20	30/12/2017	27/01/2018	149.78 X 150.09 X 151.03	22480	8.122	483.3	21.5	

Note:

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-01-02-03** **Date: 05/01/2018**

Customer : Assistant Executive Engineer, Project Sub division, BBMP, Bangalore.

Address : Project Sub division, BBMP, Bangalore.

Project Name : Providing cement concrete roads to Yelahanka Janatha layout at Ward no.01

Agency : Sri. K.Achuta Murthy, No.07, 1st C Main road, Geleyara balaga, Mahalakshmipura, Bangalore-560086.

Customer's Reference : EE(Project)/YnkZone/WO/82/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 02-01-18

Sample ID No : 2018-01-02-03/03

Customer ID : M20 Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 05/01/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete	M20	29/12/2017	05/01/2018	150.43 X 149.84 X 148.99	22540	8.032	389.9	17.3	17.0
2	M20 Concrete	M20	29/12/2017	05/01/2018	150.64 X 151.22 X 150.27	22780	8.159	389.5	17.1	
3	M20 Concrete	M20	29/12/2017	05/01/2018	151.36 X 150.75 X 149.58	22818	8.085	378.8	16.6	

Note:

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-01-02-03** **Date: 26/01/2018**

Customer : Assistant Executive Engineer, Project Sub division, BBMP, Bangalore.

Address : Project Sub division, BBMP, Bangalore.

Project Name : Providing cement concrete roads to Yelahanka Janatha layout at Ward no.01

Agency : Sri. K.Achuta Murthy, No.07, 1st C Main road, Geleyara balaga, Mahalakshmipura, Bangalore-560086.

Customer's Reference : EE(Project)/YnkZone/WO/82/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 02-01-18

Sample ID No : 2018-01-02-03/04

Customer ID : M20 Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 26/01/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete	M20	29/12/2017	26/01/2018	151.44 X 150.28 X 149.79	22758	8.229	491.6	21.6	21.9
2	M20 Concrete	M20	29/12/2017	26/01/2018	151.83 X 150.61 X 149.58	22867	8.148	487.1	21.3	
3	M20 Concrete	M20	29/12/2017	26/01/2018	151.57 X 149.88 X 150.73	22717	8.256	515.7	22.7	

Note:

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